

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 0 | "5519549".pn. and (ic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:15 |
| L2 | 0 | "5519549".pn. and (integrated) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:16 |
| L3 | 2 | "5519549".pn. and (circuit) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:29 |
| L4 | 0 | "5519549".pn. and (capacitor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:32 |
| L5 | 0 | "5519549".pn. and (chip or semiconductor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:33 |
| L6 | 0 | "5519549".pn. and (envelope) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:38 |
| L7 | 2 | "5519549".pn. and (detect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:40 |
| L8 | 0 | "5519549".pn. and (frequency\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:41 |

EAST Search History

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|-----|----|--|---|----|-----|------------------|
| L9 | 0 | "5519549".pn. and (fm\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:41 |
| L10 | 0 | "5519549".pn. and (modulate\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:54 |
| L11 | 46 | (sp and (lp or slp) with (microprocessor or microcomputer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:54 |
| L12 | 15 | L11 and (variation or vary or varying near3 (level)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 09:54 |
| L13 | 25 | L11 not (L12 or samsung) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:08 |
| L14 | 1 | "6185359".pn. and "60" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:16 |
| L15 | 1 | "6185359".pn. and ("51" and "60") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:28 |
| L16 | 1 | "6185359".pn. and (frequency or fm) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:31 |

EAST Search History

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|-----|---|---|---|----|-----|------------------|
| L17 | 0 | "6185359".pn. and (modulated) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:31 |
| L18 | 0 | "6185359".pn. and (chip or semiconductor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:33 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--|------------------|---------|------------------|
| L1 | 1 | "6185359".pn. and (integrated) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 12:26 |
| L2 | 1 | "6185359".pn. and (envelope) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 12:50 |
| L3 | 1 | "6185359".pn. and (chang\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 12:50 |
| L4 | 1 | "6185359".pn. and (chang\$3 same envelope) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:04 |
| L5 | 158861 | (slp or lp) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 12:56 |
| L6 | 33 | 5 and (super near long near play) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:04 |
| L7 | 1527 | 5 and (frequency same modulator) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:04 |

EAST Search History

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| L8 | 0 | "6185359".pn. and (frequency same modulator) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:05 |
| L9 | 0 | "6185359".pn. and (frequency same modulat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:05 |
| L10 | 1 | "6185359".pn. and (frequency) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:06 |
| L11 | 0 | "6185359".pn. and (modulat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:06 |
| L12 | 0 | "6185359".pn. and (modulator) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:06 |
| L13 | 0 | "6185359".pn. and (modulating) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:07 |
| L14 | 2 | "6185359".pn. and (demodulator) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:07 |

EAST Search History

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| L15 | 1 | "6185359".pn. and (frequency same demodulat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:09 |
| L16 | 2 | "6185359".pn. and (video) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:24 |
| L17 | 1 | "6185359".pn. and ("49") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:27 |
| L18 | 1 | "6185359".pn. and ("48" and "50" and "60" and "52" and "49") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:28 |
| L19 | 0 | "6185359".pn. and ("48" same "50" same "60" same "52" same "49") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 13:33 |
| L20 | 1 | "6185359".pn. and ("53") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 14:07 |
| L21 | 0 | "6185359".pn. and (slp) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 14:08 |

EAST Search History

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| L22 | 0 | "6185359".pn. and (super near long) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 14:11 |
| L23 | 1 | "6185359".pn. and (vcr) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 15:53 |
| L24 | 2 | "6185359".pn. and (cassette or tape) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 16:02 |
| L25 | 1 | "6185359".pn. and (pb) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 16:28 |
| L26 | 1 | "6185359".pn. and ("61") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 16:37 |
| L27 | 1 | "6185359".pn. and (peak or amplitude) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 16:29 |
| L28 | 0 | "6185359".pn. and ("61" same "60") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 17:28 |

EAST Search History

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| L29 | 0 | "5218489".pn. and (r1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 17:28 |
| L30 | 0 | "5218489".pn. and (d1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 18:44 |
| L31 | 1 | "5519549".pn. and (on or off) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 18:54 |
| L32 | 2 | "5519549".pn. and (vcr) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 18:56 |
| L33 | 0 | "5519549".pn. and (envelope) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 18:56 |
| L34 | 1 | "5519549".pn. and (amplitude) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 18:57 |
| L35 | 0 | "5519549".pn. and (peak) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 19:16 |

EAST Search History

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| L36 | 1 | "6185359".pn. and integrat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 19:27 |
| L37 | 1 | "6185359".pn. and resistor\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/25 19:27 |
| S1 | 115 | 386/114.ccls. | USPAT | OR | ON | 2005/08/05 13:25 |
| S2 | 105 | S1 and (IC or integrated circuit) | USPAT | OR | ON | 2005/08/01 20:36 |
| S3 | 75 | S2 and (detector or detect\$3) | USPAT | OR | ON | 2005/08/01 20:36 |
| S4 | 40 | S3 and (FM or frequency near modulation) | USPAT | OR | ON | 2005/08/01 20:36 |
| S5 | 40 | S3 and (FM or (frequency near modulation)) | USPAT | OR | ON | 2005/08/01 20:36 |
| S6 | 16 | S1 and (IC or (integrated near circuit)) | USPAT | OR | ON | 2005/08/01 20:37 |
| S7 | 12 | S6 and (fm or (frequency near modulation)) | USPAT | OR | ON | 2005/08/01 20:38 |
| S8 | 10 | S7 and (detector or detection or detect) | USPAT | OR | ON | 2005/08/01 20:47 |
| S9 | 291802 | (IC or (integrated near circuit)) | USPAT | OR | ON | 2005/08/01 20:48 |
| S10 | 123002 | S9 and (fm or (frequency modulation)) | USPAT | OR | ON | 2005/08/01 20:48 |
| S11 | 392 | S10 and envelop | USPAT | OR | ON | 2005/08/01 20:48 |
| S12 | 6542 | S10 and envelope | USPAT | OR | ON | 2005/08/01 20:48 |
| S13 | 5140 | S12 and (detector or detection or detect\$3) | USPAT | OR | ON | 2005/08/01 20:49 |
| S14 | 264 | S13 and (sp or (standard near playback)) | USPAT | OR | ON | 2005/08/01 20:50 |
| S15 | 221 | S14 and mode | USPAT | OR | ON | 2005/08/01 21:52 |
| S16 | 6 | S15 and (spl or (super near long)) | USPAT | OR | ON | 2005/08/02 11:53 |

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| S17 | 84 | ("2548011" "3601544" "4125844" "4173026" "4180837" "4210785" "4224644" "4225780" "4338644" "4357638" "4363039" "4390901" "4426684" "4516164" "4517598" "4554599" "4562468" "4573084" "4577239" "4587577" "4591931" "4635121" "4641205" "4641208" "4703465" "4706121" "4723181" "4734767" "4755888" "4803551" "4814924" "4841386" "4857999" "4866434" "4866542" "4873584" "4880963" "4885632" "4890171" "4894713" "4894789" "4908707" "4908713" "4908859" "4922341" "4937844" "4951276" "4954892" "4965827" "4972260" "4977455" "4982074" "4989104" "4993003" "5001561" "5010499" "5038211" "5038231" "5047867" "5063610" "5081578" "5119507" "5121476" "5144423" "5148403" "5161019" "5164831" "5164963" "5172363" "5179479" "5200823" "5206937" "5228014" "5253066" "5285276" "5293357" "5307173" "5353121").PN. OR ("6487362"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/01 21:25 |
| S18 | 8 | S17 and (fm or (frequency near modulation)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/01 21:40 |
| S19 | 5 | S16 and spl | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/01 21:40 |
| S20 | 0 | S19 not S16 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/01 21:40 |
| S21 | 404 | (sp or spl) near mode | USPAT | OR | ON | 2005/08/01 21:58 |
| S22 | 399 | S21 not S15 | USPAT | OR | ON | 2005/08/01 21:59 |
| S23 | 4 | ("4345169" "5563597" "6191989" "6346834").PN. OR ("6870403").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/01 22:06 |
| S24 | 129 | 360/73.08.ccls. | USPAT | OR | ON | 2005/08/02 11:54 |
| S25 | 11 | S24 and (envelope near detect\$3) | USPAT | OR | ON | 2005/08/02 15:08 |
| S26 | 1 | "5541780".pn. | USPAT | OR | ON | 2005/08/02 15:08 |

EAST Search History

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|-----|---------|--|------------------------------|----|----|------------------|
| S27 | 115 | 386/114.ccls. | USPAT | OR | ON | 2005/08/06 16:17 |
| S28 | 0 | "5218489".pn. and peak | USPAT | OR | ON | 2005/08/06 16:18 |
| S29 | 1 | "5218489".pn. and detector | USPAT | OR | ON | 2005/08/06 16:20 |
| S30 | 0 | "6292622".pn. and detector | USPAT | OR | ON | 2005/08/06 16:20 |
| S31 | 0 | "6292622".pn. and peak | USPAT | OR | ON | 2005/08/06 16:20 |
| S32 | 1 | "6292622".pn. and (detect or detection) | USPAT | OR | ON | 2005/08/06 16:22 |
| S33 | 1 | "5913007".pn. and (detect or detection) | USPAT | OR | ON | 2005/08/06 16:23 |
| S34 | 1 | "5913007".pn. and (detect or detection detector) | USPAT | OR | ON | 2005/08/06 16:24 |
| S35 | 1 | "5913007".pn. and ((detect or detection or detector) and peak) | USPAT | OR | ON | 2005/08/06 16:27 |
| S36 | 0 | "5913007".pn. and mode | USPAT | OR | ON | 2005/08/06 16:27 |
| S37 | 1 | "5913007".pn. and (speed or spl or sp or ep) | USPAT | OR | ON | 2005/08/06 16:27 |
| S38 | 10 | ("5255126" "5345271" "5436771" "5481417" "5490017" "5543974" "5561529" "5600661" "5648855" "5684916").PN. OR ("5913007").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:28 |
| S39 | 10 | S38 and (peak or detection or detector or ic or fm or envelope or detect or spl or lp or ep) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:33 |
| S40 | 2 | S38 and peak | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:34 |
| S41 | 11524 | peak near detector | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:34 |
| S42 | 4904 | envelope near detector | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:34 |
| S43 | 107526 | fm or (frequency near (modulation or modulated or modulate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:35 |
| S44 | 1073520 | ic or (integrated near circuit) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:35 |
| S45 | 496 | S41 and S42 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:35 |

EAST Search History

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|-----|-------|--|------------------------------|----|----|------------------|
| S46 | 142 | S45 and S43 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:35 |
| S47 | 56 | S46 and S44 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:46 |
| S48 | 0 | "6375630".pn. and (vcr or vtr) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:53 |
| S49 | 1 | "4371981".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 16:59 |
| S50 | 1 | "6278301".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:05 |
| S51 | 0 | "5541780".pn. and peak | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:23 |
| S52 | 0 | "4998289".pn. and (vcr or vtr or cassette) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:23 |
| S53 | 0 | "4998289".pn. and microprocessor | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:24 |
| S54 | 0 | "4998289".pn. and mode | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:24 |
| S55 | 26 | ("4085370" "4268722" "4531235" "4561114" "4564821" "4633463" "4648126" "4654867" "4726073" "4748625" "4882768").PN. OR ("4998289"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:56 |
| S56 | 1 | "4360829".pn. and switch | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:58 |
| S57 | 1 | "4360829".pn. and mode | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:59 |
| S58 | 13928 | "4360829".pn. and vcr or vtr | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:59 |
| S59 | 0 | "4360829".pn. and (vcr or vtr) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 17:59 |

EAST Search History

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|-----|----|--|------------------------------|----|----|------------------|
| S60 | 12 | ("3132339" "3548326" "3934263" "3988531" "4166251" "4247866" "4272786" "4286282").PN. OR ("4360829").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 18:42 |
| S61 | 1 | "6375630".pn. and analog | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 19:41 |
| S62 | 2 | "3519944".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 18:53 |
| S63 | 6 | ("3519944").URPN. | USPAT | OR | ON | 2005/08/06 18:55 |
| S64 | 76 | S46 not S47 | USPAT | OR | ON | 2005/08/06 19:01 |
| S65 | 1 | "6532268".pn. and (sp or slp or sl) | USPAT | OR | ON | 2005/08/06 19:15 |
| S66 | 1 | "4998289".pn. | USPAT | OR | ON | 2005/08/06 19:22 |
| S67 | 0 | "4998289".pn. and record | USPAT | OR | ON | 2005/08/06 19:24 |
| S68 | 0 | "4998289".pn. and gain | USPAT | OR | ON | 2005/08/06 19:27 |
| S69 | 0 | "6292622".pn. and switch | USPAT | OR | ON | 2005/08/06 19:27 |
| S70 | 0 | "6292622".pn. and gain | USPAT | OR | ON | 2005/08/06 19:27 |
| S71 | 1 | "6292622".pn. | USPAT | OR | ON | 2005/08/06 19:35 |
| S72 | 0 | "5218489".pn. and gain | USPAT | OR | ON | 2005/08/06 19:35 |
| S73 | 1 | "6375630".pn. and S47 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 19:54 |
| S74 | 1 | "6375630".pn. and switch | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 19:55 |
| S75 | 1 | "6375630".pn. and (switch same peak) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 20:03 |
| S76 | 0 | "5541780".pn. and gain | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 20:04 |
| S77 | 1 | "5541780".pn. and amplifier | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/06 20:04 |
| S78 | 0 | "5218489".pn. and (integrated and circuit) | USPAT | OR | ON | 2005/08/10 20:31 |
| S79 | 0 | "5218489".pn. and (integrated and circuit) | USPAT | OR | ON | 2005/08/10 20:31 |
| S80 | 0 | "5218489".pn. and (ic) | USPAT | OR | ON | 2005/08/10 23:17 |
| S81 | 1 | "5218489".pn. and speed | USPAT | OR | ON | 2005/08/10 23:24 |
| S82 | 1 | "5218489".pn. and width | USPAT | OR | ON | 2005/08/10 23:25 |

EAST Search History

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|-----|-----|---|---|----|----|------------------|
| S83 | 482 | envelope with (sp or slp or lp or ep) | USPAT | OR | ON | 2006/01/20 11:44 |
| S84 | 725 | envelope with (sp or slp or lp or ep) | US-PGPUB; USPAT | OR | ON | 2006/01/20 11:44 |
| S85 | 836 | envelope with (sp or slp or lp or ep) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/01/20 11:44 |
| S86 | 846 | envelope with (sp or slp or lp or ep) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:44 |
| S87 | 80 | S86 and video | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:45 |
| S88 | 24 | S86 and (peak and video) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:45 |
| S89 | 2 | "5107381".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:46 |
| S90 | 1 | "5107381".pn. and S87 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 13:00 |
| S91 | 1 | "5107381".pn. and mode\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 13:25 |
| S92 | 2 | "5218489".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 13:26 |
| S93 | 6 | ("5055952").PN. OR ("5218489"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 13:26 |
| S94 | 3 | ("5218489" "5251330" "5541907").PN. OR ("6600344"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 13:46 |
| S95 | 4 | ("4712206" "4879707").PN. OR ("5541907").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 15:29 |
| S96 | 0 | S95 and (microprocessor or controller or microcomputer) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 15:29 |

EAST Search History

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|----------|-------|---|------------------------------|----|----|------------------|
| S97 | 0 | S95 and (microprocessor or controller or microcomputer or processor) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 15:42 |
| S98 | 1 | "5359428".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 15:38 |
| S99 | 1 | "5359428".pn. and mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 15:38 |
| S10 0 | 1 | "5359428".pn. and mode\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:23 |
| S10 1 | 1 | S100 and (microprocessor or controller or microcomputer or processor) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:01 |
| S10 2 | 0 | "4809332".pn. and (peak and envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:03 |
| S10 3 | 0 | S101 and (peak and envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:03 |
| S10 4 | 0 | S88 and (peak and envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:03 |
| S10 5 | 1 | "4809332".pn. and (peak and envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:07 |
| S10 6 | 24 | S88 and (peak and envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:07 |
| S10 7 | 14 | S88 and (peak same envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:07 |
| S10 8 | 13 | S107 not S105 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:08 |
| S10 9 | 39734 | kim.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:08 |
| S11 0 | 38 | S109 and chul-min | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:09 |
| S11 1 | 6 | S110 and (envelope detector) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:09 |

EAST Search History

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|----------|---|---|--|----|----|------------------|
| S11 2 | 1 | S110 and (envelope with detector) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:09 |
| S11 3 | 0 | "5359428".pn. and (envelope with detect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 16:23 |
| S11 4 | 1 | "5359428".pn. and (envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 17:57 |
| S11 5 | 1 | "5359428".pn. and (switch\$2) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 18:07 |
| S11 6 | 1 | "5359428".pn. and (frequency\$2) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 18:20 |
| S11 7 | 0 | "5359428".pn. and (peak\$2) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:36 |
| S11 8 | 0 | "5684916".pn. and (envelope with peak) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:36 |
| S11 9 | 0 | "5684916".pn. and (envelope and peak) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:36 |
| S12 0 | 1 | "5684916".pn. and (envelope) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:52 |
| S12 1 | 0 | "5684916".pn. and (peak) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:37 |
| S12 2 | 1 | "5218489".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/20 19:52 |
| S12 3 | 2 | "5255134".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/21 12:30 |